JBF/CMJ 1050

19

PLEASE STAMP TO ACKNOWLEDGE RECEIPT OF THE FOLLOWING:

New U.S. Patent Application for: **APOPTOSIS INDUCER AND METHOD OF SCREENING FOR A SUBSTANCE INHIBITING ACYLATED HOMOSERINE LACTONE**

Inventors: **1) Nobuhiko NOMURA and 2) Hitoshi MIYAZAKI**

MAIL STOP PATENT APPLICATION

1. Check for $770.00
2. Transmittal Letter
3. Spec. 42 pgs. 3 indep. clms. and 11 clms. total
4. Drawings - 19 sheets of drawings containing 19 figures (Figure 14 is color photo)
5. Preliminary Amendment
6. Petition To Accept Color Photographs (Three sets of Figure 14, color photo)
7. Certified copies of Japanese Patent Application Nos. 2003-021047, filed January 29, 2003, and 2003-021053, filed on January 29, 2003

Dated: **January 28, 2004**
Docket No.: **04853.0111**
CUSTOMER NUMBER: 22,852
JBF/FPD/sci - Mail Drop 360

(Due Date: **January 29, 2004**)

770
1/29/04

6. The filing fee is calculated as follows:

Basic Application Filing Fee					$770	$ $770.00
	Number of Claims		Basic	Extra Claims		
Total Claims	11	-	20	0	x $18	
Independent Claims	3	-	3	0	x $86	
☐ Presentation of Multiple Dep. Claim					+$290	
Subtotal						$ 770.00
Reduction by 1/2 if small entity						-
TOTAL APPLICATION FILING FEE						$ 770.00

7. A check for $770.00 is enclosed for filing fee.

This application is being filed under the provisions of 37 C.F.R. § 1.53(f). Applicants await notification from the Patent and Trademark Office of the time set for filing the Declaration.

Applicants claim the right to priority based on Japanese Patent Application Nos. 2003-021047, filed on January 29, 2003, and 2003-021053, filed on January 29, 2003, respectively.

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Please accord this application an application number and filing date.

Attachment 1

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ATTORNEY DOCKET NO. **04853.0111**
CUSTOMER NO. 22,852

MAIL STOP PATENT APPLICATION
Commissioner for Patents
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Alexandria, VA 22313-1450

New U.S. Patent Application
Title: **APOPTOSIS INDUCER AND METHOD OF SCREENING FOR A SUBSTANCE INHIBITING ACYLATED HOMOSERINE LACTONE**
Inventors and Addresses:

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Tsukuba-shi, Japan

2) **Hitoshi MIYAZAKI**
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Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application - 42 pages, including 3 independent claims and 11 claims total.
2. Drawings - 19 sheets of drawings containing 19 figures (Figure 14 is color photo).
3. Preliminary Amendment.
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b) an animal cell, and

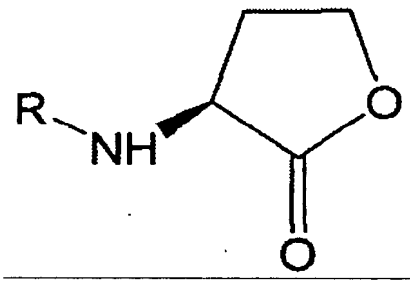
c) a means for measuring Akt activity.

9. (Withdrawn) A substance inhibiting acylated homoserine lactone, which is identified by the screening method of claim 5.

10. (Withdrawn) An acylated homoserine lactone inhibitor, which is identified by the screening method of claim 5.

11. (Withdrawn) A kit for using in the screening method of claim 5, comprising the following elements:

a) an acylated homoserine lactone represented by formula I:



(I)

wherein R is as defined above,

b) an animal cell, and

c) a means for measuring Akt activity.

12. (New) The method of claim 4, wherein inhibition of Akt activity is detected by detecting caspase activation.